comprising a process for carrying out a process for modifying said image data in response to a change of light deflective action of said variable optical-property element.

37. (Amended) A variable optical-property mirror unit comprising:

a variable optical-property mirror comprising a rotationally asymmetric reflecting surface of a shape wherein the length of one direction is different from that of the other direction; and

a driving circuit constructed and arranged to drive said variable optical-property mirror.

38. (Amended) A variable optical-property mirror unit according to claim 37, wherein a shape of the reflecting surface of said variable optical-property mirror unit is variable.

39. (Amended) A variable optical-property mirror unit according to claim 37, wherein the light deflection property of said reflecting surface is rotationally asymmetric.

40. (Amended) An optical apparatus comprising:

a variable optical-property mirror having a reflecting surface of a shape wherein the length of one direction is longer than that of the other direction, and said variable optical-property mirror is arranged so that the one direction of said reflecting surface coincides with a direction wherein a cross line between said reflecting surface and a plane on which rays incident on and emergent from said variable optical-property mirror lie extends.

41. (Amended) An optical device comprising:

a variable optical-property element; and

an optical element having a plurality of rotationally asymmetric surface and disposed in a vicinity of said variable optical-property element.

42. (Amended) An optical device according to claim 41, further comprising an image sensor.

C2 cont'

43. (Amended) An optical system, consisting of:

a rotationally asymmetric surface; and

a variable optical-property mirror constructed with a variable shape mirror.

C4

45. (Amended) An optical system, comprising:

an optical element having a rotationally asymmetric surface; and

a variable optical-property mirror unit comprising a variable optical-property mirror, an image sensor disposed at a position of an image formed by said image sensor and said variable optical-property mirror, and a holding member supporting both of said variable optical-property mirror and said image sensor.

C5

48. (Amended) An optical device according to 41, wherein each of said variable optical-property mirror and an image sensor is disposed on a surface of said optical element with a plurality of rotationally asymmetric surfaces.

49. (Amended) An optical system comprising:

a variable optical-property mirror; and

an optical element disposed at the front side or the back side of said variable optical-property mirror and having a plurality of rotationally asymmetric surfaces and one symmetric surface.

C6

54. (Amended) An optical apparatus comprising:

an image sensor and an optical element;

a supporting member for holding said image sensor and said optical element; and

another optical element disposed in a vicinity of said supporting member.

55. (Amended) An optical apparatus according to claim 54, wherein said another optical element disposed in the vicinity of said supporting member has a reflecting surface.

56. (Amended) An optical apparatus according to claim 54, wherein said optical apparatus comprises a variable optical-property element.

57. (Amended) An optical apparatus, comprising:

an optical system having a plurality of reflecting-type variable optical-property elements and having a zooming function or a focusing function, and said variable optical-property elements being arranged on a same optical path.

69. (Amended) An optical apparatus, comprising:

a variable focal-length optical system comprising a reflecting-type variable optical-property element;

an image sensor disposed at the position of an image formed by said variable focal-length optical system; and

a display element constructed and arranged to display an image based on an output from said image sensor.

70. (Amended) An apparatus according to claim 69, further comprising an optical element.

71. (Amended) An apparatus according to claim 69, further comprising a lens.

72. (Amended) An imaging apparatus, comprising:

a variable focal-length optical system comprising an infrared cutoff filter or a low-pass filter and a reflecting-type variable optical-property element;

an image sensor disposed at the position of an image formed by said optical system; and

a display element constructed and arranged to display an image based on an output from said image sensor.

73. (Amended) An apparatus according to claim 69, wherein a stop is disposed in said variable focal-length optical system.

74. (Amended) An apparatus according to claim 69, further comprising a processor.

75. (Amended) An apparatus according to claim 69, further comprising a recorder.

C7 cont'd

76. (Amended) An apparatus according to claim 69, wherein said reflecting-type variable optical-property element is constructed with a variable shape mirror.

77. (Amended) An optical apparatus, comprising:

an optical element; and

a reflecting-type variable optical-property element.

78. (Amended) An optical apparatus according to claim 77, further comprising an image sensor.

See the attached appendix for the changes made to effect the above claims.

Please add the following new claims:

-- 84. (New) An optical apparatus, comprising:

an optical system constructed and arranged to form an object image, said optical system comprising a variable optical-property element;

an image sensor constructed and arranged to image said object image; and

a signal processing circuit constructed and arranged to process an image signal obtained by said image sensor, said signal processing circuit comprising a circuit for carrying out a process modifying said image signal in response to a change of light deflective action of said variable optical-property element.

85. (New) An optical system according to claim 45, wherein said variable optical-property mirror is constructed with a variable shape mirror. --